

Work Order ID 59737

Thursday, June 10, 2010 10:31:40 AM



Page 1

Item ID: DSI 9494-011

Accept



Setup Start



Revision ID:

Item Name: 212/412 Canister Upgrade

Stop



Start Date: 6/10/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 6/11/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: *MF*

Date: 10-6-10

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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DSI 9494

A

100



DC

Document Control

Memo

Photocopy bluefile & type labels per PPP DSI 9494-011
CHG001

0.00

*8/10/06 M**H for BG 10/06/11*

110



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

10-6-11 SP (2)

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

8/18/06 M

Memo

0.00

(2)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

130



Packaging

Packaging

Operation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

10-6-14

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Memo

0.00

Identify and pack for shipping as per PPP DSI 9494-011
Location: _____
PPP rev: Draft

MF

10-6-14

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Picklist Print

Thursday, June 10, 2010 10:31:39 AM

Page 1

Work Order ID: 59737



Parent Item: DSI 9494-011



Parent Item Name: 212/412 Canister Upgrade

Start Date: 6/10/2010

Required Date: 6/11/2010

Comments: IPP Rev:A new issue DD 10.03.31 verified by:EC

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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AN815-8D		Purchased	No			110	Each	18.0000		1	2		
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Union-M-Flare

Location

Location	Loc Qty	Loc Code
ST329	18	
113749	8	
114544	10	

AN833-8D		Purchased	No			110	Each	19.0000		1	2		
----------	--	-----------	----	--	--	-----	------	---------	--	---	---	--	--



ELBOW

Location

Location	Loc Qty	Loc Code
ST333	19	
10	9	
114544	10	

AN924-8D		Purchased	No			110	Each	17.0000		1	2		
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NUT

Location

Location	Loc Qty	Loc Code
ST335	17	
114341	9	
114544	8	

D3262-043		Manufactured	No			110	Each	2.0000		1	2		
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Canister Assembly

Location

Location	Loc Qty	Loc Code
ST144	2	
58295	2	

W/O:

WORK ORDER CHANGES

DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Required Qty: 2.00

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---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3299-7		Manufactured	No			110	Each	15.0000		1	2		
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SJ Fitting

Location	Loc Qty	Loc Code
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ST050	15	
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57411	15	
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D4054-001		Manufactured	No			110	Each	7.0000		1	2		
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SJ Tube Assembly

Location	Loc Qty	Loc Code
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ST193	7	
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57412	1	
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58970	6	
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D4054-003		Manufactured	No			110	Each	7.0000		1	2		
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SJ tube Assembly

Location	Loc Qty	Loc Code
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ST193	7	
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57413	1	
-------	---	--

58971	6	
-------	---	--

D4054-009		Manufactured	No			110	Each	9.0000		1	2		
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SJ tube Assembly

Location	Loc Qty	Loc Code
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ST109	3	
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57414	3	
-------	---	--

ST193	6	
-------	---	--

58157	6	
-------	---	--

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
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REFERENCE ONLY

Continue from previous sheet

4	AN924-6D	NUT
1	AN924-8D	NUT (WAS AN924-6D)
1	AN938-6D	TEE
4	AN960JD10L	WASHER (OR NAS1149D0332J)
8	AN960JD10	WASHER (OR NAS1149D0363J)
2	AN960JD916	WASHER
4	MS21042L3	NUT
2	MS21919WDG9	CLAMP
2	MS21920-42	CLAMP
8	MS29512-06	O-RING (WAS MS28778-6)
2	MS29512-08	O-RING (WAS MS28778-6)
1	MS35489-11	GROMMET

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
1	AN815-8D	UNION
1	AN833-8D	ELBOW
1	AN924-8D	NUT
2	MS29512-08	O-RING

WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

APPROVED
BY:
D. SHEPHERD (DE # 02)

DATE: 10.01.07
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	#	DRAWING NO.	REV. A
MFG. APPR.	M/A	DSI 9494	SHEET 2 OF 3
APPROVED	#	TITLE	SCALE
DE APPR.	#	212/412 CANISTER UPGRADE KIT	NTS
DATE	10.01.07	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.I.M.R.S.01180

REFERENCE ONLY

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING
4	AN3-5A	BOLT
1	AN814-6D	PLUG
2	AN815-6D	UNION
1	AN815-8D	UNION (WAS AN815-6D)
1	AN832-6D	UNION
1	AN833-6D	ELBOW
1	AN833-8D	ELBOW (WAS AN833-6D)

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	10.01.07
CERT. NO.:	SH04-54
ISSUE NO.:	1

A	NEW ISSUE		RF	10.01.07	
REV.	DESCRIPTION			BY	DATE
DESIGN		RF	DART AEROSPACE LTD		
DRAWN		RF	HAWKESBURY, ONTARIO, CANADA		
CHECKED		#	DRAWING NO.		REV. A
MFG. APPR.		N/A	DSI 9494		SHEET 1 OF 3
APPROVED		#	TITLE		SCALE
DE APPR.		#	212/412 CANISTER UPGRADE KIT		NTS
DATE		10.01.07	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

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